

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: May 4, 2006

Inspector: Ann Schwenzer

Location: 345kV Underground Route

Storm/

Rain Event: Between 0.9-0.56" of rain was recorded over 5/2-5/3 as reported by NOAA and based on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Vault Openings and Trench Construction	- An open vault excavation remains near Wilton Corporate Park on Rt. 7. 3/9-5/4/06	- Some further attention is needed here. See erosion control section. 5/4/06	-Needs attention
	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-5/4/06	- Continue providing good "house- keeping" along the roadways. Full restoration will be required when work is completed. 2/2-5/4/06	- Restoration is occurring and needs to continue.
	- Excavation continues at the site at School Rd to connect up with HDD bore. Some areas were backfilled but disturbed soil and stockpiles remain. 4/12-5/4/06	- Further restoration will be necessary after the adjacent work is complete. See additional sections for more details. 4/12-5/4/06	-N/A until work is complete but sediment issues need attention
	- Work continues at the HDD exit point on Rt. 7. and adjacent to Old Danbury Road. 4/19-5/4/06	- See erosion control section for more details. 5/4/06	-N/A
	- Contractors had been requested to expose an old culvert and construct a drainage channel here. 5/4/06	- See other sections for more details. 5/4/06	- N/A
	- Vaults were being accessed along Umpawaug Rd. and restoration	- See other sections for more details. 5/4/06	-N/A

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	<p>continues in some areas. 5/4/06</p> <p>-A number of vaults continue to be accessed along other portions of the route for internal work as well. 4/12-5/4/06</p>	<p>- None at this time. Include these areas as part of the restoration efforts. 4/12-5/4/06</p>	<p>- N/A</p>
<p>Erosion and Sediment (E&S) Controls</p> <p>Route 7</p>	<p>- The silt fence at the old high school J&B site was removed but it was done prematurely due to the lack of stabilization. 4/19-5/4/06</p> <p>-Recent rains washed out the straw and seed that had been placed. 4/26-5/4/06</p> <p>- Stone and hay were not removed from the outlet slope but still need to be in order to achieve final stabilization. 1/19-5/4/06</p> <p>- At the HDD, controls remain fairly well in place as excavation continues in the area, however further sediment accumulation remains in the channel beyond the basin. 4/6-5/4/06</p> <p>- Vegetation was affected and soil within the wetland was disturbed from the breakout repair beyond the basin and controls. 2/9-5/4/06 The silt fence remains down in the stream due to the recent rains and more sediment escaped. 4/26-5/4/06</p> <p>-The combination of offsite dewatering and muds from the site led to sediment accumulation in the wetland beyond the check dams and to the east of the basin. 2/16-5/4/06 This increased</p>	<p>- The site is not stable enough to have removed the fence. Equivalent controls should be placed along the bank or further restoration is needed here. 4/19-5/4/06</p> <p>-These materials and the leftover instream controls must also be removed for the area to be determined complete. 1/26-5/4/06</p> <p>- Final restoration will occur when the work in the area is complete, but more immediate attention is suggested for the sediment in the wetland. 4/6-5/4/06</p> <p>- A restoration plan should be proposed and implemented and may include some plantings. 3/9-5/4/06</p> <p>- Silt fence should be repaired until the area is restored. 5/4/06</p> <p>-The accumulated sediment should be removed as soon as feasible, esp. since the growing season is underway 3/9-5/4/06</p>	<p>-Mulch and seed were placed but the area still needs attention</p> <p>-Still needs attention</p> <p>- This will likely not occur until trenching is complete in this area but look at sediment issues soon</p> <p>-Needs a plan in place</p> <p>-Needs attention</p> <p>- Needs to be done when conditions are stable- sooner than later.</p>

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Erosion and Sediment (E&S) Controls	due to the recent heavy rains. 4/26-5/4/06 - Active work is occurring beyond the bore exit and a disturbed slope was present at the road to the commuter rail. Silt fence was placed along one side of the constructed swale but sedimentation was noted because of the recent rain. 4/26-5/4/06	- Consider installing silt fence on the other side of the channel to prevent sediment to the swale until the area is stabilized. 5/4/06	- Needs attention
Route 7 continued	- An open vault excavation remains at Wilton Corp Park. Sediment from the excavation had tracked to the street. 4/12-5/4/06 - The storage area near #848 (Rt.7) is still highly utilized. 1/4-5/4/06 - Debris was being piled here in the yard. 5/4/06	-The adjacent catch basin should have controls due to the sediment reaching the street. This area needs some controls 4/12-5/4/06 - Continue to monitor activity in here. Watch placement of project materials and equipment and provide good housekeeping. 5/4/06	- Still needs attention -N/A
Rt. 107 Daywork	- Landowner activities here are also directly affecting wetlands, including placing sediment closer to the wetland swales. 3/15-5/4/06 - Ruts from equipment access had been noted in the island at the Rt. 107 & 7 intersection leading to sedimentation near an inlet. 2/2-5/4/06 - At the Georgetown Deli the recent rains washed out an area at the base of the slope and some erosion was noted near the guardrail. 4/26-5/4/06 - Two other areas along the stream slope north of the Deli had eroded and	-The sediment placement and landowner activities are outside of project jurisdiction. 4/6-5/4/06 Project controls were repaired where feasible. - Protect catch basins and restore the island. 4/6-5/4/06 -More seed and potentially topsoil may be needed here to encourage vegetative growth and the erosion should be checked for stability. 4/26-5/4/06 - The slopes will have to be stabilized with	-N/A -Needs attention -Needs attention - Needs attention

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Umpawaug Rd. And Diamond Hill Rd.	<p>slumped although adjacent areas were well stabilized. 5/4/06</p> <p>- The storage yard at the Rt 107 intersection was stabilized with seed and mulch. 5/4/06</p> <p>- Restoration continued on most of the roadway shoulders and slopes on Umpawaug Rd. and Diamond Hill. Grass we starting to grow. 5/4/06</p>	<p>additional controls. 5/4/06</p> <p>- Continue to monitor. 5/4/06</p> <p>- Continue to restore the vault area near #123 when access is complete, and any other remaining areas. 4/26-5/4/06</p>	<p>-Needs attention.</p> <p>-Restoration was almost complete-grass growth was noted</p>
Adjacent Wetlands and Waterways	<p>-At the jack and bore near Allens Meadow Park, the outlet slope still needs final restoration. 1/19-5/4/06</p> <p>-The breakout described at the HDD resulted in direct access and impact to the wetland beyond the basin in order to contain the muds. 2/9-5/4/06</p> <p>- Wetlands directly to the east and south of the basin have sediment accumulation that will require removal. 1/19-5/4/06 Additional accumulation was also noted the week of 5/4/06</p> <p>-The soil surface of the HDD yard appears to be composed of the subsoil layer rather than the original topsoil layer due to the intensive excavation here. 4/12-5/4/06</p>	<p>-Plan to remove stone and haybales and instream controls for final restoration. 1/19-5/4/06</p> <p>- A restoration plan should be implemented for the wetlands beyond the basin, potentially including plantings in the spring. 2/16-5/4/06</p> <p>- Sediment buildup should be removed carefully by hand where it is thicker than an inch. This should occur sooner than later as the growing season has already begun. 3/9-5/4/06</p> <p>-When excavation is complete here, the restoration may require addition of topsoil with a high organic component to promote good re-vegetation. 4/12-5/4/06</p> <p>-Portions of the site will be used for school parking.</p>	<p>Needs attention</p> <p>-Needs attention</p> <p>-Still needs attention</p> <p>-Needs attention when excavation is complete</p>
Staging, Storage, and Parking Areas	<p>- The equipment storage yard on the property south of the Rt. 7 &107 intersection was mostly</p>	<p>- In general, materials should be placed appropriately in storage areas or immediately</p>	<p>-N/A</p>

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	<p>contained. 1/26-5/4/06</p> <ul style="list-style-type: none"> - Disturbance is mostly due to landowner activities. 3/15-5/4/06 - Debris was being piled here as well. 5/4/06 - The small storage area along Rt 7 across from Old Highway Rd is still in use 5/4/06 - The racquet club storage yard has piles of stone and soil. Protective measures still need to be placed in the inlet/swale here. 2/2-5/4/06 - Frac tanks and equipment were stored at the HDD. The asphalt spoil from each night is placed here but removed shortly. 5/4/06 	<p>adjacent to work each night. No potentially spillable materials should be left behind. Equipment should not be placed near resource areas. 3/9-5/4/06</p> <ul style="list-style-type: none"> - Remove when feasible. 5/4/06 - The area is fairly well contained. Continue good housekeeping here. 5/4/06 - Install haybales at the culvert within the swale. 2/2-5/4/06 - Remember to remove all asphalt upon restoration of the area. 4/26-5/4/06 	<p>-N/A</p> <p>-Asphalt is stored temporarily after night work</p>
Soils	<ul style="list-style-type: none"> - Most soils on roadways on the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. Soils off roadway can be returned to the trench. 	<ul style="list-style-type: none"> - Soils appear to be handled appropriately. 5/4/06 - Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2-5/4/06 	N/A at this time
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> -A number of bare soil areas remain, especially along Rt 7 where restoration efforts should continue. 3/29-5/4/06 - Some erosion was noted in previously restored areas such as near Scribner Hill Rd. 1/4-5/4/06 -Significant restoration efforts continue along 	<ul style="list-style-type: none"> -Other utility projects are ongoing as well making it difficult to coordinate efforts. 3/29-5/4/06. -Repair erosion in these areas in the spring when the area can stabilize. 1/4-5/4/06 -Continue to restore where necessary. Grass is 	<p>Restoration efforts were noted. Continue to provide.</p> <p>-Restoration is ongoing</p>

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	<p>Umpawaug Rd. 4/26-5/4/06</p> <p>- The storage area here was mulched and seeded. 5/4/06</p> <p>-It may be difficult to promote vegetative growth at the HDD and Wilton HS due to the sandy soil surface following excavation. 4/26-5/4/06</p>	<p>starting to grow in many areas. 5/4/06</p> <p>- The area was stable at the time. 5/4/06</p> <p>-Consider need for full topsoil restoration in order to stabilize the areas. 4/26-5/4/06</p>	<p>- The area was mulched and seeded</p> <p>-Needs attention</p>
Dewatering	<p>- No major dewatering efforts were noted. 5/4/06</p> <p>-Significant ground water was noted within the School Rd site excavations. Frac tanks are present here. 5/4/06</p>	<p>- See other sections for details. 5/4/06</p> <p>-If dewatering is needed, evaluate the controls that will be needed to prevent further sedimentation. 4/12-5/4/06</p>	-N/A
Blasting	- No blasting is occurring on site at this time.	- None at this time.	N/A
Spills and Material Storage	- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 5/4/06	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid</p>	-N/A
		<p>leaks) if they will be used or stored on site. - Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p>	
Additional Observations			

Next likely scheduled inspection:

Wednesday May 10, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its

attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Ann Schwenzer



345kV (Umpawaug Rd): Photo on the left shows recently restored roadway slopes along Umpawaug Rd. Areas are stabilizing and starting to show grass growth. Photo on the right shows where the small storage area at the Rt 107 intersection was mulched and seeded. 5/4/06



345kV (Georgetown Deli) Photo shows where the bank along the stream is beginning to slump and erode following the heavy rains. Further stabilization is needed although the surrounding area looks good. 5/4/06



Photo on the left shows the bank of the stream moving south. Additional restoration efforts should be made hereto promote vegetation. Photo on the right shows where the heavy rains had caused a washout at the base of the slope. 5/4/06



345kV (Rt 7) Photo on the left shows the storage area near the intersection of Rts 107 and 7. Continue to provide "good housekeeping" when feasible. Photo on the right shows the Wilton HS J&B area where silt fence was removed. The area will likely need further restoration efforts. 5/4/06



345kV (HDD) Photo shows the wetland area beyond the basin where the silt fence was pushed over due to the recent rains. Sediment deposits also remain here and will need to be removed carefully by hand. 5/4/06



Photo on the left shows a view of the remaining berm area and erosion controls. The entire area will be regraded when work here is complete. Photo on the right shows the status of the controls beyond the basin. Controls will be replaced when the area is graded. 5/4/06